CLAIMS

- 1. A conductive line for a semiconductor device including:
 - a first conductive layer,
- 5 a Titanium layer; and
 - a first Titanium rich Titanium Nitride layer between the first conductive layer and the Titanium layer.
- 2. A conductive line according to claim 1, wherein the first conductive layer is in direct contact with the first Titanium rich Titanium Nitride layer.
 - 3. A conductive line according to claim 1 or 2, wherein the Titanium layer is in direct contact with the first Titanium rich Titanium Nitride layer.
- 4. A conductive line according to any one of the preceding claims, wherein the first conductive layer is a metal layer.
 - 5. A conductive line according to claim 4, wherein the first conductive layer is an aluminium alloy.

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- 6. A conductive line according to claim 5, wherein the aluminium alloy is an aluminium copper alloy.
- 7. A conductive line according to any one of the preceding claims, wherein the 25 Titanium layer is less than about 500 x 10⁻¹⁰m (500 Angstroms) thick.
 - 8. A conductive line according to claim 7, wherein the Titanium layer is from about $60 110 \times 10^{-10}$ m (60 110 Angstroms) thick.
- 9. A conductive line according to any one of the preceding claims, wherein the first Titanium rich Titanium Nitride layer is a 250 500 x 10⁻¹⁰m (250 500 Angstroms) layer.
 - 10. A conductive line according to any one of the preceding claims, wherein the first conductive layer is a $4000 8000 \times 10^{-10}$ m (4000 8000 Angstroms) layer.

- 11. A conductive line according to any one of the preceding claims, further comprising a second Titanium rich Titanium Nitride layer, and wherein the first conductive layer is between the first and second Titanium rich Titanium Nitride layers.
- 5 12. A process for manufacturing a conductive line, comprising the steps of: depositing a Titanium layer onto a substrate;

depositing a first Titanium rich Titanium Nitride layer to the other side of said Titanium layer relative to said substrate; and

depositing a first conductive layer to the other side of said first Titanium rich

10 Titanium Nitride layer relative to said Titanium layer.

- 13. A process according to claim 12, wherein the Titanium layer is deposited directly onto said substrate.
- 15 14. A process according to claim 13 or 14, wherein the first Titanium rich Titanium Nitride layer is deposited directly onto said Titanium layer.

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15. A process according to claim 13, 14 or 15, wherein the first conductive layer is deposited directly onto said first Titanium rich Titanium Nitride layer.

16. A process according to any one of claims 12 to 15, further comprising the step of depositing a second Titanium rich Titanium Nitride layer to the other side of said first conductive layer relative to said first Titanium rich Titanium Nitride layer.

- 25 17. A process according to any one of claims 12 to 16, wherein the first conductive layer is a metal layer.
 - 18. A process according to claim 17, wherein the first conductive layer is an aluminium alloy.
 - 19. A process according to claim 18, wherein the aluminium alloy is an aluminium copper alloy.
- 20. A process according to any one of claims 12 to 19, wherein the Titanium layer is less than about 500×10^{-10} m (500 Angstroms) thick.

- 21. A process according to claim 20, wherein the Titanium layer is from about 60 110×10^{-10} m (60 110 Angstroms) thick.
- A process according to any one of claims 12 to 21, wherein the first Titanium rich
 Titanium Nitride layer is a 250 500 x 10⁻¹⁰m (250 500 Angstroms) layer.
 - 23. A process according to any one of claims 12 to 22, wherein the first conductive layer is a $4000 8000 \times 10^{-10}$ m (4000 8000 Angstroms) layer.
- 10 24. A silicon substrate having a plurality of conductive lines according to any one of claims 1 to 11 thereon.
 - 25. A semiconductor device including one or more conductive lines according to any one of claims 1 to 11.
 - 26. A memory including one or more conductive lines according to any one of claims 1 to 11.
- 27. An integrated circuit including one or more conductive lines according to any one 20 of claims 1 to 11.

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